



Basic Details

Organisation Chain	Council of Scientific and Industrial Research CSIO Chandigarh Purchase-CSIO-CSIR		
Tender Reference Number	CSIO/3(4)2023-Pur		
Tender ID	2023_CSIR_712793_1		
Tender Type	EOI	Form of contract	Supply
Tender Category	Goods	No. of Covers	1
Payment Mode	Not Applicable	Is Multi Currency Allowed For BOQ	No
Is Multi Currency Allowed For Fee	No		

Cover Details, No. Of Covers - 1

Cover No	Cover	Document Type	Description
1	Fee/PreQual/Technical/Finance	.pdf	Expression of Interest for UV Laser for Interference Lithography
		.xls	Expression of Interest for UV Laser for Interference Lithography detailed specifications enclosed

Tender Fee Details, [Total Fee in ₹ * - 0.00]

Tender Fee in ₹	0.00		
Fee Payable To	NA	Fee Payable At	NA
Tender Fee Exemption Allowed	NA		

EMD Fee Details

EMD Amount in ₹	0.00	EMD Exemption Allowed	NA
EMD Fee Type	NA	EMD Percentage	NA
EMD Payable To	NA	EMD Payable At	NA

Work /Item(s)

Title	CSIO/3(4)2023-Pur				
Work Description	Expression of Interest for UV Laser for Interference Lithography detailed specifications enclosed				
Pre Qualification Details	Please refer Tender documents.				
Tender Value in ₹		Product Category	Laboratory and scientific equipment	Sub category	NA
Contract Type	Tender	Bid Validity(Days)	90	Period Of Work(Days)	45
Location	Purchase Section CSIR-CSIO Sector 30 Chandigarh	Pincode	160030	Pre Bid Meeting Place	Online Link given in specificatrion
Pre Bid Meeting Address	Conference Room CSIR-CSIO Sector 30 Chandigarh	Pre Bid Meeting Date	19-Jun-2023 11:00 AM	Bid Opening Place	Purchase Section CSIR--CSIO Sector 30 Chandigarh

Critical Dates

Publish Date	26-May-2023 12:30 PM	Bid Opening Date	23-Jun-2023 03:30 PM
Document Download / Sale Start Date	26-May-2023 12:30 PM	Document Download / Sale End Date	22-Jun-2023 03:00 PM
Clarification Start Date	26-May-2023 12:30 PM	Clarification End Date	21-Jun-2023 03:00 PM
Bid Submission Start Date	26-May-2023 12:30 PM	Bid Submission End Date	22-Jun-2023 03:00 PM

Tender Documents

NIT Document	S.No	Document Name	Description	Document Size (in KB)
	1	Tendernotice_1.pdf	Expression of Interest for UV Laser for Interference Lithography detailed specifications enclosed	571.5

Work Item Documents	S.No	Document Type	Document Name	Description	Document Size (in KB)
	1	Tender Documents	EOI for UV Laser.pdf	Expression of Interest for UV Laser for Interference Lithography detailed specifications enclosed	571.5

Tender Inviting Authority

Name	Controller of Stores and Purcahse
Address	The Director CSIR-CSIO Sector 30 Chandigarh

Tender Creator Details

Created By	Mohinder Kumar
Designation	COSP
Created Date	26-May-2023 12:14 PM

Expression of Interest

Pre-indent conference/expression of interest is required for a UV Laser for Interference Lithography with the following tentative specifications:

One Unit is required.

Laser output features	Wavelength (nm): 355 ± 10 nm
	FWHM Linewidth: < 5 MHz
	Pulse Format: CW
	Output Power: ≥ 200 mW
	Spatial Mode: TEM ₀₀ (No hot spots in the beam profile)
	Beam Quality (M ²): < 1.2
	Beam Circularity: 1.0 ± 0.1
	Beam Waist Diameter (FW, 1/e ²): $\sim 1 \pm 0.2$ mm
	Beam Divergence (FW, 1/e ²): < 1.2 mrad
	Polarization Ratio: Linear, >100:1
	Polarization Direction: Vertical, $\pm 5^\circ$
	Power Stability (pk-pk): $\pm 1\%$ or better for at least over 3 hour
	Warm-up Time (minutes): < 30
Laser type	Diode pumped solid state laser (DPSS), Optically pumped solid state lasers or any other compact system
Laser controller driver	Required for laser output power control
Interfacing/ communication	USB/RS-232/Analog
Cooling methods	TEC plate based, Air or Water (external chiller based cooling is not acceptable)
Warranty	12 months or more
Utility Requirements	Operating Voltage: 100 to 240 VAC
	Frequency: 50 Hz to 60 Hz
	Power Consumption: ~ 500 W
	For uninterrupted power supply, UPS is required for at least 0.5 Hrs or more backup
Environmental Conditions	Ambient Temperature in Operating Condition: 10 to 40°C non-condensing
	Ambient Temperature in Non-Operating Condition: -10 to 60°C
	Relative Humidity: 5% to 95%
All related accessories like power cable, power supply, software (upgradation compatibility, if any), attachments or spare parts, etc. required for proper functioning of laser system must be supplied. Product demonstration required at the time of Installation.	

The specifications will be finalized after expression of interest.

Note: All the manufacturers from India as well as from global market are invited.

The meeting will be held as per schedule given below:-

Date: 19.06.2023

Time : 11.00 A.M. onwards

Google Link for the meeting : <https://meet.google.com/wav-djsq-cjx>